

provided with means to drain or confine the oil if a rupture of the transformer casing occurs.

(c) A permanent or portable transformer for use underground shall be either air cooled or nonflammable liquid cooled, if ordered after June 1, 1949.

(d) An underground station containing a transformer filled with flammable oil shall be provided with doorsills; or their equivalent, to confine the oil if leakage or explosion occurs.]

[7-431.

Every six months the operator of a coal mine, in which any electric system exists, shall make an "electric system map" of the mine. The electric system shall be shown in the detail and the manner the bureau prescribes by distinguishing colors and signs on an exact reproduction of the mine map required pursuant to § 7-401. Identical copies of the electric system map shall be kept in the office of the foreman at the mine and filed with the district mine inspector for his official use.]

[7-432.

At every mine where electricity is used for power, a competent mine electrician shall be employed. He shall have full charge of the electric apparatus and system in and about the mine. However, he is subject to the authority of the official in charge of the mine.]

[7-433.

A DANGER -- HIGH VOLTAGE sign shall be posted conspicuously on each transformer enclosure, high-potential switchboard, and other high-potential installation.]

[7-434.

(a) Each surface and underground substation and any room housing a switchboard shall be kept free of refuse. Metal containers shall be provided for oily waste.

(b) Any switchboard shall be located so that ample room is provided between the switchboard and passageway or other lane of travel. It shall have an entrance at each end to permit an authorized person to inspect, adjust, or repair apparatus behind the board. The entrance to the rear of each switchboard shall be guarded to prevent access by any unauthorized person, unless the switchboard is located in a locked building.

(c) Any switchboard shall be well-lighted for switch operations in the front and for repair and maintenance in the rear.